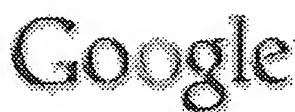


EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	((database or library) same (geometric adj3 data)) and shell and mesh	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/28 12:55
S2	9	((database or library) and (geometric adj3 data)) and shell and mesh and CAD	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/28 12:55
S3	0	fujitsu.ap.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/28 12:55
S4	384802	fujitsu.as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/28 12:59
S5	119	S4 and (geometric same data)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/28 12:56
S6	12	S5 and mesh	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/28 12:56
S7	842436	hitachi.as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/28 12:59
S8	15	S7 and (geometric same data) and mesh	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/28 12:59

[Sign in](#)[Web](#) [Images](#) [Groups](#) [News](#) [Froogle](#) [Maps](#) [more »](#)**CAD + geometric data + database + (analysis)** [Search](#) [Advanced Search](#)[Preferences](#)**Web Results 11 - 20 of about 1,220,000 for CAD + geometric data + database + (analysis OR analytical OR****CAD & CAE FAQ's**

CAM – computer aided manufacturing, using a part **geometry database** to ... is done with a **CAD** like preprocessor to the FEA software, or **geometry data** can be ...
www.deepsoftinc.com/CAD-CAE-FAQ.HTM - 15k - [Cached](#) - [Similar pages](#)

[\[PDF\]](#) **Microsoft PowerPoint - parametric MDO lecture** [MIT dist.ppt](#)

File Format: PDF/Adobe Acrobat - [View as HTML](#)

Database. – MS/Access. •. **Geometry** engine, parametric **CAD & CAE** model creation. –
 Unigraphics ... **Marketing data.** – Responses - **analysis** results
ocw.mit.edu/.../16-888Spring-2004/878F23AD-7FB2-4498-9DC8-29C0E93C2EAF/0/l20_gmfenyes_2.pdf - [Similar pages](#)

[\[PDF\]](#) **Microsoft PowerPoint - parametric MDO lecture** [MIT dist.ppt](#)

File Format: PDF/Adobe Acrobat - [View as HTML](#)

FE model is built once - automatically updated as **geometry** changes ... Generated **analysis** models. – Exchanged **data** through **database** ...
ocw.mit.edu/.../16-888Spring-2004/72F1E736-A13B-4303-9F1A-ACC78B17D367/0/l20_gmfenyes_3.pdf - [Similar pages](#)

About Cadcorp - News Press Release

In addition, grid functionality is provided to support slope, aspect and gradient **analysis**.
Geometric data processing. Cadcorp SIS V6.2 extends users ...
www.cadcorp.com/press_releases/2005_pr16.htm - 29k - [Cached](#) - [Similar pages](#)

CAE Data and Processes Under Control

While in the area of **geometry data (CAD)** the use of product **data management systems** ...
 of the end conditions, and the **analysis** of the simulation results.
www.altair.com/corporate/press/20050804b.htm - 21k - [Cached](#) - [Similar pages](#)

Closing the Gap Between CAD Model and Downstream Application

Although much of the emphasis at the workshop was on "CAD geometry and ... New "standards" for communicating **geometrical data** between **CAD** and CFD need to be ...
www.siam.org/siamnews/06-99/cadmodel.htm - 29k - [Cached](#) - [Similar pages](#)

Feature Article - New Approaches to CAD "Integration" - 06/01

Alternatively, engineers can click on a part in the **CAD** model to display the associated non-**geometric data**, now EnCapta **data**. Without leaving the **CAD** system ...
www.autodeskguide.com/articles/060101.html - 22k - [Cached](#) - [Similar pages](#)

Manipulating Geometry in a STEP DB from Commercial CAD Systems ...

Analysis of the STEP Standard Data Access Interface Using Formal Methods ... of **Geometric Functions** for Ship Structural **CAD** Using a **STEP Database** as Native ...
cer.sagepub.com/cgi/content/refs/12/1/49 - [Similar pages](#)

Gridgen Version 14.01 Release Notes

CAD data may be imported into the **database** from CATIA v4, Pro/E v17-20, ... functions are available when Examine is invoked from the **ANALYSIS SOFTWARE** menu.
www.pointwise.com/archive/rn14-01-R1.shtml - 20k - [Cached](#) - [Similar pages](#)

[Sign in](#)



[Web](#) [Images](#) [Groups](#) [News](#) [Froogle](#) [Maps](#) [more »](#)

geometric data + (database OR library) + CAD [Search](#) [Advanced Search](#)

[Preferences](#)

Web Results 1 - 10 of about 184,000 for geometric data + (database OR library) + CAD + FE analysis + (me

[PDF] MSC Marc Nonlinear Analysis for Engineering Applications ...

File Format: PDF/Adobe Acrobat

CAD, geometry and finite element data can be ... mesh when applied to the geometry.

Multiple. analysis jobs can be initiated, controlled, ...

www.mscsoftware.com/assets/MA2005JULZZLTDAT.pdf - [Similar pages](#)

Noran Engineering, Inc. | Finite Element Analysis | Product | NEiFEA

First, part **geometry** is imported from a Parasolid based **CAD** system. ... **Data** accessed for **finite element mesh** generation and application of loads and ...

www.nenastran.com/newnoran/neiFea - 80k - [Cached](#) - [Similar pages](#)

MARC & Mentat II: The Right Answer for Finite Element Analysis

Sets **analysis** type; Checks input **data** consistency; User subroutine integration ...

Whenever the underlying **geometry** changes, the **mesh** is automatically ...

www.techsavvy.com/industry/file/national/08fqj/mrc04.html?

[id=118909&comp_id=08FQJ&base_region=*](#) - 24k - [Cached](#) - [Similar pages](#)

[PDF] New Standards Based Data Exchange "Bridge" For Design (CAD ...

File Format: PDF/Adobe Acrobat - [View as HTML](#)

idealized geometry, with its associated detailed **finite element** models and **analysis**.

results (FEM/FEA), including associated **analysis** version control **data** ...

[https://www.mscsoftware.com/support/library/conf/au99/P04099.pdf](http://www.mscsoftware.com/support/library/conf/au99/P04099.pdf) - [Similar pages](#)

[PDF] NX Advanced FEM

File Format: PDF/Adobe Acrobat - [View as HTML](#)

data structures also allow analysts to easily share **FE** **data** to perform ... **CAD** **geometry** to

the needs of their **analysis**. For example, analysts can use these ...

www.ugs.com/products/nx/docs/fs_nx_adv_fem.pdf - [Similar pages](#)

[PDF] NX Advanced Simulation

File Format: PDF/Adobe Acrobat - [View as HTML](#)

CAD **geometry** to the needs of their **analysis**. For example, analysts can use these ... **NX**

Nastran – Basic provides access to a broad **library** of **finite element** ...

www.ugs.com/products/nx/docs/fs_nx_adv_sim.pdf - [Similar pages](#)

[More results from www.ugs.com]

InCAD Competitive Advantages

ALGOR's InCAD technology provided direct **CAD/CAE** **data** exchange of this subsoiler ...

solid **geometry** into plate or **shell** elements with automatic handling of ...

www.algor.com/products/comp_advantage/inCAD/default.asp - 30k -

[Cached](#) - [Similar pages](#)

SVFlux 2D / 3D - Seepage Analysis Software - Scientific Software Group

SVFlux 2D/3D - **Finite element** seepage **analysis** software. ... Great care has been taken to model our **geometry** **CAD**-style input after the popular AutoCAD(TM) ...

www.scientificsoftwaregroup.com/pages/detailed_description.php?products_id=97 - 40k -

[Cached](#) - [Similar pages](#)

[PDF] 1 Introduction 2 Review of 3D Modeling Systems

[Sign in](#)



[Web](#) [Images](#) [Groups](#) [News](#) [Froogle](#) [Maps](#) [more »](#)

geometric data + (database OR library) + CAD [Search](#) [Advanced Search](#) [Preferences](#)

Web Results 1 - 10 of about 184,000 for geometric data + (database OR library) + CAD + FE analysis + (me

[\[PDF\] MSC.Marc Nonlinear Analysis for Engineering Applications ...](#)

File Format: PDF/Adobe Acrobat

CAD, geometry and finite element data can be ... mesh when applied to the geometry.

Multiple, analysis jobs can be initiated, controlled, ...

www.mscsoftware.com/assets/MA2005JULZZZLTDAT.pdf - [Similar pages](#)

[Noran Engineering, Inc. | Finite Element Analysis | Product | NEiFEA](#)

First, part geometry is imported from a Parasolid based CAD system. ... Data accessed for finite element mesh generation and application of loads and ...

www.nenastran.com/newnoran/neifea - 80k - [Cached](#) - [Similar pages](#)

[MARC & Mentat II: The Right Answer for Finite Element Analysis](#)

Sets analysis type; Checks input data consistency; User subroutine integration ...

Whenever the underlying geometry changes, the mesh is automatically ...

www.techsavvy.com/industry/file/national/08fqj/mrc04.html?

[id=118909&comp_id=08FQJ&base_region=*](#) - 24k - [Cached](#) - [Similar pages](#)

[\[PDF\] New Standards Based Data Exchange "Bridge" For Design \(CAD ...\)](#)

File Format: PDF/Adobe Acrobat - [View as HTML](#)

idealized geometry, with its associated detailed finite element models and analysis.

results (FEM/FEA), including associated analysis version control data ...

[https://www.mscsoftware.com/support/library/conf/aucc99/P04099.pdf](http://www.mscsoftware.com/support/library/conf/aucc99/P04099.pdf) - [Similar pages](#)

[\[PDF\] NX Advanced FEM](#)

File Format: PDF/Adobe Acrobat - [View as HTML](#)

data structures also allow analysts to easily share FE data to perform ... CAD geometry to the needs of their analysis. For example, analysts can use these ...

www.ugs.com/products/nx/docs/fs_nx_adv_fem.pdf - [Similar pages](#)

[\[PDF\] NX Advanced Simulation](#)

File Format: PDF/Adobe Acrobat - [View as HTML](#)

CAD geometry to the needs of their analysis. For example, analysts can use these ... NX Nastran - Basic provides access to a broad library of finite element ...

www.ugs.com/products/nx/docs/fs_nx_adv_sim.pdf - [Similar pages](#)

[More results from www.ugs.com]

[InCAD Competitive Advantages](#)

ALGOR's InCAD technology provided direct CAD/CAE data exchange of this subsoiler ...

solid geometry into plate or shell elements with automatic handling of ...

www.algor.com/products/comp_advantage/inCAD/default.asp - 30k -

[Cached](#) - [Similar pages](#)

[SVFlux 2D / 3D - Seepage Analysis Software - Scientific Software Group](#)

SVFlux 2D/3D - Finite element seepage analysis software. ... Great care has been taken to model our geometry CAD-style input after the popular AutoCAD(TM) ...

www.scientificsoftwaregroup.com/pages/detailed_description.php?products_id=97 - 40k -

[Cached](#) - [Similar pages](#)

[\[PDF\] 1 Introduction 2 Review of 3D Modeling Systems](#)



[CAD + geometric data + analytical conditions](#)

[Search](#)

[Advanced Scholar Search](#)

[Scholar Preferences](#)

[Scholar Help](#)

Scholar Results 11 - 20 of about 733 for **CAD + geometric data + analytical conditions + (database OR lib**

[An integrated NMT-based CAE environment—Part I: Boundary-based feature modeling utility - group of 2 »](#)

[All articles](#) [Recent articles](#)

RK Irani, M Saxena - Engineering with Computers, 1993 - Springer
... based solid modeler like GEOMOD, a **CAD** system like ... assign- ing multiple features to the same **geometry**. ... functions for archival and retrieval of features **data**. ...

Cited by 3 - [Web Search](#) - [SL Direct](#)

[Development of geometrically exact new **shell** elements based on general curvilinear co-ordinates - group of 4 »](#)

M Cho, HY Roh - International Journal for Numerical Methods in Engineering, 2003 - doi.wiley.com
... surface using NURBS surface representations in the **CAD** system ... for efficiency and accuracy in the **analysis** module ... surface of the **shell**; and (b) **shell geometry** in the ...

Cited by 10 - [Web Search](#) - [SL Direct](#)

[A GENERAL TOPOLOGY-BASED MESH DATA STRUCTURE - group of 5 »](#)

MW BEALL, MS SHEPHARD - International Journal for Numerical Methods in Engineering, 1997 - doi.wiley.com
... the procedures that create and/or use that **data**. ... **geometric domains** commonly used for **analysis** processes ... The representation of general **geometric domains** requires ...

Cited by 75 - [Web Search](#) - [SL Direct](#)

["Methodologies for Structural Optimisation of a Thrust Reverser Cascade Using a Multidisciplinary ... - group of 2 »](#)

J Butterfield, H Yao, M Price, CG Armstrong, S ... - Paper Reference: AIAA-2003-0107. American Institute of ..., 2003 - pdf.aiaa.org
... bottom faces of each surface were generated using three **data** inputs. ... of the material omitted as part of this **geometric** idealisation ... 2D **CAD** Section **Shell** Section ...

Cited by 2 - [Web Search](#)

[Feature transformations between application-specific feature spaces - group of 3 »](#)

JJ Shah - Computer-Aided Engineering Journal, 1988 - ieeexplore.ieee.org
... out **FE analysis** from solid model **data** involves the ... or irrelevant to the particular **analysis**, as shown in ... it by operating on the remaining **geometric** entities. ...

Cited by 43 - [Web Search](#)

[Structural shape optimization integrated with **CAD** environment - group of 2 »](#)

Y Gu, G Cheng - Structural and Multidisciplinary Optimization, 1990 - Springer
... proposed in MESHG to interface it with **geometric** modelling soft ... **data** interface commonly used in commercial **CAD** software, such as the **data** interfaces for ...

Cited by 5 - [Web Search](#)

[... Application of Knowledge Based Engineering Techniques to the Finite Element Mesh Generation of an ... - group of 2 »](#)

M PINFOLD - Journal of Engineering Design, 1999 - Taylor & Francis
... in this area, because **CAD** systems create a **geometric** model and, through **data** transfer or ... pass the model to other systems, and thus **CAD** vendors suggest that ...

Cited by 1 - [Web Search](#) - [SL Direct](#)

[Interactive-adaptive geometrically nonlinear analysis of **shell** structures - group of 3 »](#)



CAD + geometric data + mesh + size + (optimi

[Advanced Scholar Search](#)[Scholar Preferences](#)[Scholar Help](#)**Scholar** Results 11 - 20 of about 4,600 for CAD + geometric data + mesh + size + (optimize OR optimal OI

[Methods and algorithms of automated CAD repair for incremental surface meshing - group of 3 »](#) [All articles](#) [Recent articles](#)

AA Mezentsev, T Woehler - Proceedings, 8th International Meshing Round Table, 1999 - cadmesh.homeunix.com

... errors and features, which are stored in the **data structure**, by ... as given in Figure 5. The dependent CAD repair starts ... Decompose **geometric** domain to convex ones ...

Cited by 17 - [View as HTML](#) - [Web Search](#)

[Mesh adaption and automatic differentiation in a CAD-free framework for optimal shape design - group of 4 »](#)

B Mohammadi, O Pironneau - International Journal for Numerical Methods in Fluids, 1999 - doi.wiley.com

... the discretization points on the **geometry** and x ... structured solver because that the **data structures** involved ... that this approach including the CAD-free framework ...

Cited by 13 - [Web Search](#) - [BL Direct](#)

[\[PS\] Unstructured Mesh Generation: Theory, Practice, and Perspectives - group of 6 »](#)

SH Teng, CW Wong - International Journal of Computational Geometry and ..., 2000 - www-faculty.cs.uiuc.edu

... manipulate, which facilitate the use of simple **data structures** to ... For example, we can use a CAD package to design ... The **geometric** model will then be used for the ...

Cited by 25 - [View as HTML](#) - [Web Search](#) - [BL Direct](#)

[A new approach to free-form surface mesh control in a CAD environment - group of 2 »](#)

F Noel, JC Leon, P Trompette - International Journal for Numerical Methods in Engineering, 1995 - doi.wiley.com

... CAD software and that G contains all the **geometric** entities required as basis of the ... problem, two ways can be thought of to build the classification **data**: ...

Cited by 11 - [Web Search](#) - [BL Direct](#)

[Parallel automated adaptive analysis - group of 5 »](#)

MS Shephard, JE Flaherty, CL Bottasso, HL de ... - Parallel Computing, 1997 - sokocalo.engr.ucdavis.edu

... attributes (BC's, parameters) defined in terms of CAD model ... **GEOMETRIC DOMAIN ENTITIES**

MESH ADJACENCIES ... Three steps n Mark for motion n Migrate **data** n Update ...

Cited by 16 - [View as HTML](#) - [Web Search](#)

[Numerical simulation of a blast inside a Boeing 747 - group of 2 »](#)

JD Baurn, H Luo, R Löhner - AIAA Paper, 1993 - pdf.aiaa.org

... the simu- lation of flows about such complex **geometry** structures ... In addition to basic CAD- CAM operations (shrinking ... to about 360 Mbytes of binary **data** for a ...

Cited by 21 - [Web Search](#)

[Automatic **data** segmentation for **geometric** feature extraction from unorganized 3-D coordinate points - group of 2 »](#)

J Huang, CH Menq - Robotics and Automation, IEEE Transactions on, 2001 - ieexplore.ieee.org

... However, this design change is not reflected in the CAD model unless ... HUANG AND MENQ: AUTOMATIC DATA SEGMENTATION FOR GEOMETRIC FEATURE EXTRACTION ...

Cited by 29 - [Web Search](#) - [BL Direct](#)

[Reducing Bottlenecks in the CAD-to-Mesh-to-Solution Cycle Time to Allow CFD to Participate in Design - group of 4 »](#)